

[54] METHOD AND APPARATUS FOR
ANALYZING HAIR STRUCTURE

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[57]

ABSTRACT

Analyzing of human hair by a projecting microscope mounted in a housing in which the light source is in the base of the housing for directing collimated light upwardly to a microscope mounted on the base. The cover for the microscope is hinged in a manner that allows the cover to be tilted through 90° to form a projection hood. A 45° mirror positioned on top of the eyepiece projects the image from the microscope to a screen mounted on the inside of the top of the cover when the cover is tilted to the hood position. Qualitative analysis is provided by exposing hair samples in the microscope to polarized light and passing the light through a quartz red filter to study the birefringence effects of the hair.

2 Claims, 4 Drawing Figures

